

PATENT APPLICATION TRANSMITTAL LETTER

Docket Number (Optional)

To the Commissioner of Patents and Trademarks:

Transmitted herewith for filing under 35 U.S.C. 111 and 37 CFR 1.53 is the patent application of
LOUIS T GNECCO AND PAULA S. GNECCO

entitled **ELECTROMAGNETICALLY SHIELDED HEARING AID**

Enclosed are:

- ☒ 6 pages of written description, claims and abstract.
- ☒ 2 sheets of drawings.
- ☒ an assignment of the invention to N/A
- ☒ executed declaration of the inventors.
- ☒ a certified copy of a _____ application.
- ☒ associate power of attorney.
- ☒ a verified statement to establish small entity status under 37 CFR 1.9 and 1.27.
- ☒ information disclosure statement
- ☒ preliminary amendment
- ☒ other: _____

CLAIMS AS FILED

	NUMBER FILED	NUMBER EXTRA	RATE	FEE
BASIC FEE			\$750	\$750
TOTAL CLAIMS	2 - 20 =	* 0	x \$22	0
INDEPENDENT CLAIMS	1 - 3 =	* 0	x \$76	0
MULTIPLE DEPENDENT CLAIM PRESENT			\$240	0
* NUMBER EXTRA MUST BE ZERO OR LARGER			TOTAL	\$750
If applicant has small entity status under 37 CFR 1.9 and 1.27, then divide total fee by 2, and enter amount here.			SMALL ENTITY TOTAL	\$375

☒ A check in the amount of \$ 375 to cover the filing fee is enclosed.

☐ The Commissioner is hereby authorized to charge and credit Deposit Account No. _____ as described below. I have enclosed a duplicate copy of this sheet.

- ☐ Charge the amount of \$ _____ as filing fee.
- ☐ Credit any overpayment.
- ☐ Charge any additional filing fees required under 37 CFR 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

APRIL 7, 1997

Date

Louis T Gnecco Paula S Gnecco

Signature

LOUIS T GNECCO AND PAULA S. GNECCO

Typed or printed name

112-F ELDEN ST.

Address

HERNDON, VA 20170-4809

Applicant or Patentee: _____ Attorney's
 Serial or Patent No.: _____ Docket No.: _____
 Filed or Issued: _____
 For: _____

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
 STATUS (37 CFR 1.9 (f) and 1.27 (b)) — INDEPENDENT INVENTOR**

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9 (c) for purposes of paying reduced fees under section 41 (a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled ELECTROMAGNETICALLY SHIELDED HEARING AID described in

☒ the specification filed herewith
☐ application serial no. _____, filed _____
☐ patent no. _____, issued _____

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9 (c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9 (d) or a nonprofit organization under 37 CFR 1.9 (e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

☒ no such person, concern, or organization
☐ persons, concerns or organizations listed below*

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

FULL NAME LOUIS T GNECCO AND PAULA S. GNECCO
 ADDRESS _____
☒ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

FULL NAME _____
 ADDRESS _____
☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

FULL NAME _____
 ADDRESS _____
☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

LOUIS T GNECCO AND PAULA S. GNECCO

NAME OF INVENTOR	NAME OF INVENTOR	NAME OF INVENTOR
<i>Louis Gnecco</i>	<i>Paula S. Gnecco</i>	
Signature of Inventor	Signature of Inventor	Signature of Inventor
<i>APR 7, 1997</i>	<i>April 7, 1997</i>	
Date	Date	Date

#2

375-201

A

08/835350

CONTINUATION-IN-PART
PATENT APPLICATION

Page 1 of 9 pages.

TITLE
ELECTROMAGNETICALLY SHIELDED HEARING AIDS

Names of Applicants: Louis T. Gnecco and Paula S. Gnecco,
both citizens of the United States of America,
residing at: 10301 Tamarack Drive, Vienna Virginia 22182.

Mailing Address: Please mail all correspondence to:

Louis T. Gnecco and Paula S. Gnecco
112-F Elden St. Herndon, Virginia 20170
(703) 709-9543 fax: (703) 709-9565

Cross References to Related Applications: This application is a continuation-
in-part of Application # 08/557/999 (issue batch number 381-069,000

Reference to "Microfiche Appendix": None

This invention was not made under any Federally sponsored research and
development program.

Background of the Invention:

FIELD OF THE INVENTION

This invention relates to hearing aids, and specifically to Behind The Ear, In
The Ear, In The Canal, or Completely In The Canal hearing aids which are
being shielded to be resistant to electromagnetic interference produced by
cellular telephones in the 800 MHz to 2,500 MHz frequency range.

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DESCRIPTION OF RELATED ART

The related art is as described in the referenced application.

DESCRIPTION OF PRIOR ART

The prior art is as described in the referenced application.

SUMMARY OF THE INVENTION

The invention consists of the same invention described in the referenced application, with the following additional features:

This invention intends to shield these types of hearing aids from electromagnetic interference caused by cellular telephones in the 800 - 2,500 MHz frequency range by using the same techniques described in the referenced application.

Also, a removable protective cap, made wholly or partially of an electrically conductive material, that covers all of, or part of, the Behind the Ear version of the invention.

DESCRIPTION OF THE DRAWINGS

Figure 1 shows an electromagnetically shielded Behind The Ear hearing aid 1 with a removable protective cap 2 installed. Figure 2 shows the electromagnetically shielded hearing aid 3 with the protective cap 4 removed to allow access to the battery compartment 5.

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DETAILED DESCRIPTION

The invention consists of the following elements: an electromagnetically shielded hearing aid as described in the referenced application, in which frequency range of protection is extended from 1000 MHz to 2,500 MHz, and

As shown in figure 1, an electromagnetically shielded Behind-The-Ear hearing aid 1, with a protective cap 2, made wholly or partially of an electrically conductive material, covering all of or part of the hearing aid, and which, as shown in figure 2, can be removed to allow access to the battery compartment 5.

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CLAIMS: WHAT IS CLAIMED IS:

Claim 21: A Behind The Ear, In The Ear, All in The Ear, In The Canal or Completely In The Canal hearing aid as described in Claim 11 of the referenced application, which is made resistant to electromagnetic interference produced by cellular telephones in the 800 to 2,500 MHz frequency range.

Claim 22: A Behind-The-Ear Hearing aid as in claim 21 which has a removable protective cap that covers all or part of the hearing aid and is made wholly or partially of an electrically conductive material.

ABSTRACT OF THE DISCLOSURE

A Behind The Ear, In The Ear, All in The Ear, In The Canal, or Completely In The Canal hearing aid which is made resistant to electromagnetic interference produced by cellular telephones in the 800 MHz to 2,500 MHz frequency range. The resultant hearing aid will allow hearing impaired people to take advantage of cellular telephones and other recently-developed personal communication devices while also using their hearing aids. Also, Behind the Ear version of the invention utilizing a removable protective cap, made wholly or partially of an electrically conductive material, that covers all of, or part of, the hearing aid.

2025 RELEASE UNDER E.O. 14176

DECLARATION:

We, Louis T. Gnecco and Paula S. Gnecco, citizens of the United States of America, and residing at 10301 Tamarack Drive, Vienna, Virginia 22182, are the sole inventors of the "Electromagnetically Shielded Hearing Aids"

We jointly invented every part of this invention on October 27, 1995.

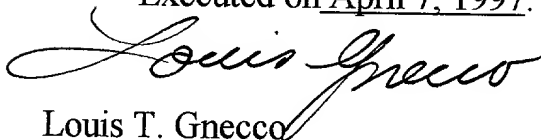
We have reviewed and understood the contents of this application, including the claims, and we believe that we are the original and sole inventors of the subject matter that is claimed and for which a patent is sought.

We acknowledge the duty to disclose to the Patent Office all information known to us to be material to the patentability of this invention.

We declare under penalty of perjury under the laws of the United States of America that the following is, to the best of our knowledge, true and correct.

We recognize that willful false statements and the like are punishable by fine or imprisonment or both and may jeopardize the validity of this application or any patent issuing thereon.

Executed on April 7, 1997:


Louis T. Gnecco


Paula S. Gnecco

Date: Apr. 7, 1997

Date: April 7, 1997

0895350-0409

DECLARATION FOR PATENT APPLICATION

Docket Number (Optional)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
ELECTROMAGNETICALLY SHIELDED HEARING AID, the specification of which

is attached hereto unless the following box is checked:

☐ was filed on _____ as United States Application Number or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

NONE

N.A.

Priority Claimed

☐ Yes ☒ No

(Number)

(Country)

(Day/Month/Year Filed)

(Number)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

(Number)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

NONE

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

NONE

Address all telephone calls to LOUIS T. GNECCO at telephone number 703-709-9543
Address all correspondence to LOUIS T. OR PAULA S. GNECCO
112-F ELDEN ST
HERNDON, VIRGINIA 22070

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) LOUIS THOMAS GNECCO

Inventor's signature [Signature] Date APRIL 7, 1997

Residence 1030 TAMARACK DR VIENNA VA 22182 Citizenship USA

Post Office Address 112-F ELDEN ST
HERNDON VA 22070

Full name of second joint inventor, if any (given name, family name) PAULA SHARBYN GNECCO

Second Inventor's signature [Signature] Date APRIL 7, 1997

Residence 1030 TAMARACK DR VIENNA VA 22182 Citizenship USA

Post Office Address 112-F ELDEN ST, HERNDON, VA 22070

☐ Additional inventors are being named on separately numbered sheets attached hereto.

FIG. 1

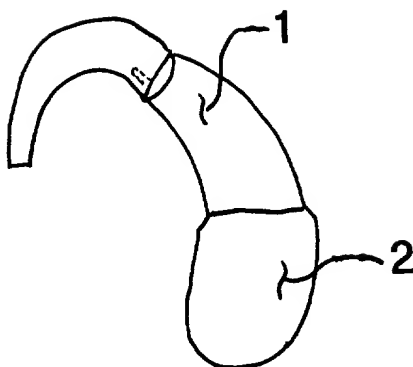
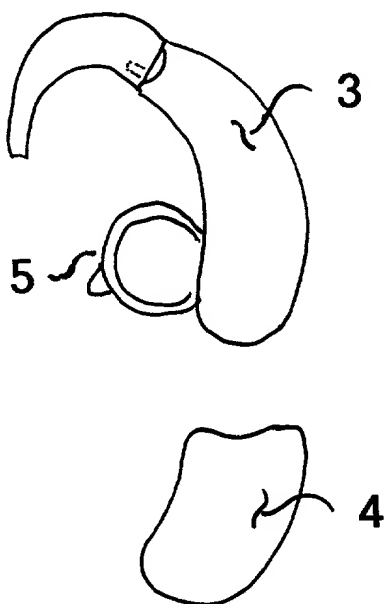


FIG. 2



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